



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0179

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Hill-Rom, Inc.

Manufacturer's Technical Representative: Phillip Maloney

Mailing Address: 1501 Nowell Rd., Raleigh, NC 27607

Telephone: (984) 390-0870

Email: Phillip.maloney1@baxter.com

Product Information

Product Name: See Certified Product Listing Tables

Product Model Number(s): Varies. See Attachment

Product Category: Internal Communication Servers and Routers

Product Sub-Category: Nurse Call Stations

General Description: Nurse call components in wall or floor mounted racks.

Mounting Description: Base Mounted Rigid or Wall Mounted Rigid

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: Pre Compliance

Contact Person: Galen Reid

Mailing Address: 36 Southwest Wall Street, Bend, OR 97702

Telephone: (541) 241-2310

Email: galen@go-pre.com

Title: Principal and Program Manager



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California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: PRE COMPLIANCE

Name: Andrew Coughlin

California License Number: S6082

Mailing Address: 36 SW Wall Street, Bend, OR 97702

Telephone: (415) 635-8461

Email: Andy@go-pre.com

Certification Method

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify):

Testing Laboratory

Company Name: NATIONAL TECHNICAL SYSTEMS (NTS)

Contact Person: Ratish Rao

Mailing Address: 1536 East Valencia Drive, Fullerton CA 92831

Telephone: (714) 879-6110

Email: Ratish.rao@nts.com

Company Name: UL LLC

Contact Person: Scott Hunter

Mailing Address: 12 Laboratory Drive, Research Triangle NC 27709-3995

Telephone: (919) 549-1400

Email: scott.d.hunter@ul.com



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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = 1.50

SDS (Design spectral response acceleration at short period, g) = 2.00

a_p (Amplification factor) = 2.5

R_p (Response modification factor) = 6.0

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 1

Natural frequencies (Hz) = See Attachment

Overall dimensions and weight = See Attachment

HCAI Approval (For Office Use Only) - Approval Expires on 05/15/2031

Date: 5/15/2025

Name: Timothy Piland

Title: Senior Structural Engineer

Special Seismic Certification Valid Up to: SDS (g) = 2.00

z/h = 1

Condition of Approval (if applicable):



Manufacturer: Hill-Rom, Inc.
Product Type: Nurse Call Systems
Model Line: Navicare Nurse Call Equipment
 Voalte Nurse Call Equipment

$S_{DS} = 2.0g$ for $z/h=1$

$I_p = 1.5$

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Mounting Configuration: Wall Mounted - Rigid

See Table 3 for certified subcomponents

Pre Compliance



SPECIAL SEISMIC CERTIFICATION CERTIFIED COMPONENTS

CBC 2022



PRE COMPLIANCE

Pre No. CC241522-01-R0

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENTS

Manufacturer: Hill-Rom, Inc.
Product Type: Nurse Call Systems
Model Line: Navicare Nurse Call Equipment
 Voalte Nurse Call Equipment

Seismic Parameters

$S_{DS} = 2.0g$ for $z/h=1$

S_{DS} = 2.0g for z/h=0

$$I_p = 1.5$$

Building Codes

CBC 2022

TABLE 3

Table Description: Wall Mounted Components

[illegible]

SPECIAL SEISMIC CERTIFICATION CERTIFIED SUBCOMPONENTS

Manufacturer: Hill-Rom, Inc.
Product Type: Nurse Call Systems
Model Line: Navicare Nurse Call Equipment
 Voalte Nurse Call Equipment

Seismic Parameters
 $S_{DS} = 2.0g$ for $z/h=1$
 $S_{DS} = 2.0g$ for $z/h=0$
 $I_p = 1.5$

Building Codes
 CBC 2022

TABLE 4

Table Description: Floor Mounted Components

Component (Manufacturer)	Model	Description	Notes	UUT
POE Switch (Hill-Rom)	P2519NNC1A24	24 Port Code Blue PoE Switch		2A
	P2519NNC2A24	24 Port Delta II PoE Switch		7
	P2519NNC3A24	24 Port PoE Switch		9
	P2519NNC3A00/ UP920-R-0155G	Power Supply (max 2X)		9
	PSGS-2626GT P2519NNC3	1RU 24 Port PoE Switch		11
POE Switch (Cisco)	WS-C3850-24U	24 Port PoE Switch		7
	WS-C3850-48U	48 Port PoE Switch		7
	WS-C4503-E	7RU Switch		Interp.
	WS-C4506-E	10RU Switch		4
	WS-C4507R+E	11RU Switch		Interp.
	WS-C4510R+E	14RU Switch		4
	C9300-24T	24 Port PoE Switch		13
	C9300-24U	24 Port PoE Switch		Interp.
POE Switch (Extreme Networks)	C9300-48U	48 Port PoE Switch		13
	ERS 4950GTS-PWR+	1RU Switch 48 Port		11
	ERS 5928GTS-uPWR	1RU Switch 24 Port		11
VOIP Server (Comark)	P2576NNC1A01	VOIP Server		2A
VOIP Server (HP)	DL360 Gen10 Performance	HPE ProLiant (Server Line)		11
	DL360 Gen11 Performance	HPE ProLiant (Server Line)		14
UPS (APC)	P2521A02	APC Smart UPS SMT15000RM2U		2A
Power Unit (Middle Atlantic)	PD-915-R-PL	Power Unit, 15A		2A
	PD-915R	Power Unit, 15A		4
Power Supply (Cisco)	PWR-C45-1300ACV	Power Supply		4
	PWR-C45-2800ACV	Power Supply		Interp.
	PWR-C45-4200ACV	Power Supply		4
	PWR-C45-6000ACV	Power Supply		4

SPECIAL SEISMIC CERTIFICATION TESTING SUMMARY

UUT	Model	Test Report	Test Laboratory	S _{DS}	z/h	I _p
1A	NaviCare Nurse Call Equipment, Control and Power: 11996-748	103-1770	National Technical Systems - Fullerton	2.5	1	1.5
1B	NaviCare Nurse Call Equipment, Control and Power: P2549A03	103-1770	National Technical Systems - Fullerton	2.5	1	1.5
2A	NaviCare Nurse Call Equipment, Control and Power: 11972-712	103-1770	National Technical Systems - Fullerton	2.5	1	1.5
2B	NaviCare Nurse Call Equipment, Control and Power: P2599NNC1	103-1770	National Technical Systems - Fullerton	2.5	1	1.5
3	NaviCare Nurse Call Equipment, Control and Power: 11996-724	R11229904	UL LLC	2.28	1	1.5
4	NaviCare Nurse Call Equipment, Control and Power: 13855-703	R11229904	UL LLC	2.28	1	1.5
5	NaviCare Nurse Call Equipment, Control and Power: P2599NNC2	R11229904	UL LLC	2.28	1	1.5
6	NaviCare Nurse Call Equipment, Control and Power: P2549A03	R11229904	UL LLC	2.28	1	1.5
7	NaviCare Nurse Call Equipment, Control and Power: 11972-712	R11229904	UL LLC	2.28	1	1.5
8	NaviCare Nurse Call Equipment, Control and Power	R12184737	UL LLC	2.28	1	1.5
9	NaviCare Nurse Call Equipment, Control and Power	R12184737	UL LLC	2.28	1	1.5
10	NaviCare Nurse Call Equipment, Control and Power	R12184737	UL LLC	2.28	1	1.5
11	NaviCare Nurse Call Equipment, Control and Power	R12982635	UL LLC	2.28	1	1.5
12	NaviCare Nurse Call Equipment, Control and Power	R12982635	UL LLC	2.28	1	1.5
13	Catalyst 9000 Custom, Networking Equipment	18012TR1	NTS	2.00	1	1.5
14	NaviCare Nurse Call Equipment, Control and Power	R15504738-2	UL LLC	2.00	1	1.5

Notes:

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 1A

Test Report# 103-1770

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Rack-26RU

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.5	1 0	1.5	4.00	3.00	2.67	2.00

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
30	24	48	403

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Chatsworth Cube-iT 11996-748. NEMA Type 1; 14 ga.
Carbon steel cabinet with aluminum rails

UUT Mounting Details:



List of Included Subcomponents

Description

Model

Message Processing
Controller
PoE Switch (x2)
UPS
Power Unit
VOIP Server

P2577NNC1A00 MPC
P2519NNC1A24
P2521A02
E204950 PD-915R
P2576NNC1A01

UUT was rigid wall mounted using (4) 1/4" lag screws.
Unit maintained structural integrity and remained
operational per manufacturer requirement following
shake table test. All contents were included in the
unit per operating conditions.

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 1A

Test Report# 103-1770

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Rack-26RU

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.5	1 0	1.5	4.00	3.00	2.67	2.00

Rack Mounting Summary:

Chastworth Cube-iT 11996-748			
Position on Rack	Component	C.G. Height (in.)	Weight (lbs.)
26		45.5	
25	P2577NNC1A00	43.75	9
24		42	
23	P2519NNC1A24	40.25	18.6
22		38.5	
21	P2519NNC1A24	36.75	18.6
20		35	
19	P2521A02	33.25	58.42
18		31.5	
17		29.75	
16	P2521A02	28	58.42
15		26.25	
14		24.5	
13	P2521A02	22.75	58.42
12		21	
11		19.25	
10		17.5	
9		15.75	
8		14	
7		12.25	
6		10.5	
5	PD-915R	8.75	2
4	P2576NNC1A01	7	39
3		5.25	
2		3.5	
1		1.75	

UUT 1A Mounting Summary:

Configured Rack Total Weight: **403 lbs.**
Max Rack CG: **24.3"**



UUT 1B

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Room Box Enclosure

S_{DS}	z/h	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.5	1	1.5	4.00	3.00	2.67	2.00
	0					

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
4.3	8	9	8.5

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

CBC 2022

ICC-ES AC156

Hill-Rom Enclosure P2549A03. Carbon steel enclosure.

Model

P2549A03
2599NNC1B00

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SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 2A

Test Report# 103-1770

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Floor 4-post Cabinet, Seismic Frame (CF) 43 RMU

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.5	1 0	1.5	4.00	3.00	2.67	2.00

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
36	19	84	623

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
12.0	7.5	28.9

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Chatsworth 11972-712. Carbon steel frame with aluminum side panels.

UUT Mounting Details:



UUT was rigid floor mounted using (4) 1/2" Grade 5 bolts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description

Model

Chatsworth Rack	11972-712
Message Processing Controller	P2577NNC1A00 MPC
PoE Switch (x2)	P2519NNC1A24
VOIP Server	P2576NNC1A01
UPS	P2521A02
Power Unit	E204950 PD-915R



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SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 2A

Test Report# 103-1770

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Floor 4-post Cabinet, Seismic Frame
 (CF) 43 RMU

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.5	1 0	1.5	4.00	3.00	2.67	2.00

Rack Mounting Summary:

Chastworth Cube-iT 11972-712			
Position on Rack	Component	C.G. Height (in.)	Weight (lbs.)
43		75.25	
42	P2577NNC1A00	73.5	9
41		71.75	
40	P2519NNC1A24	70	18.6
39		68.25	
38	P2519NNC1A24	66.5	18.6
37		64.75	
36		63	
35		61.25	
34		59.5	
33		57.75	
32		56	
31		54.25	
30		52.5	
29		50.75	
28		49	
27		47.25	
26		45.5	
25		43.75	
24		42	
23		40.25	
22		38.5	
21		36.75	
20		35	
19	P2576NNC1A01	33.25	39
18		31.5	
17		29.75	
16		28	
15		26.25	
14		24.5	
13		22.75	
12	P2521A02	21	46.75
11		19.25	
10	PD-915R	17.5	2
9		15.75	
8		14	
7	P2521A02	12.25	46.75
6		10.5	
5		8.75	
4	P2521A02	7	46.75
3		5.25	
2		3.5	
1		1.75	

UUT 2A Mounting Summary:

Configured Rack Total Weight: **623 lbs.**

Max Rack CG: **34.6"**



SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 2B

Test Report# 103-1770

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Low Profile Enclosure for Room Control Boards Version 1 (RCB 1)

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.5	1 0	1.5	4.00	3.00	2.67	2.00

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
1.6	8	9	5

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Carbon steel frame.

UUT Mounting Details:

List of Included Subcomponents



UUT was rigid wall mounted using (4) #8 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

Description	Model #
Room Control Box	P2599NNC1A00

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 3

Test Report# R11229904

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Rack - 12RU

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.28	1 0	1.5	3.65	2.74	1.52	0.61

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
30	24	24	208

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Chatsworth 11996-724. Carbon steel construction

UUT Mounting Details:



List of Included Subcomponents

Description	Model #
PoE Switch (x3)	P2519NNC1A24
PoE Switch	WS-C3850-24U
PoE Switch	WS-C3850-48U
15A Power Unit (x2)	PD-915-R-PL



UUT was rigid wall mounted using (8) 1/4" lag screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.



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SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 3

Test Report# R11229904

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Rack - 12RU

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.28	1 0	1.5	3.65	2.74	1.52	0.61

Rack Mounting Summary:

Chastworth Cube-iT 11996-748			
Position on Rack	Component	C.G. Height (in.)	Weight (lbs.)
12	P2519NNC1A24	21	13.6
11	WS-3850-24U	19.25	23.6
10	PD-915-R-PL	17.5	2
9		15.75	
8	Added Weight	14	26
7		12.25	
6		10.5	
5		8.75	
4	P2519NNC1A24	7	13.6
3	WS-C3850-48U	5.25	23.6
2	P2519NNC1A24	3.5	19.6
1	PD-915-R-PL	1.75	2

UUT 3 Mounting Summary:

Configured Rack Total Weight: **208 lbs.**
Max Rack CG: **11.1"**

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 4

Test Report# R11229904

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: 13855-703

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.28	1 0	1.5	3.65	2.74	1.52	0.61

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
9.5	24	84	622

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
15.0	9.5	>33.3

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Chatsworth 13855-703. Welded carbon steel construction

UUT Mounting Details:



UUT was rigid floor mounted using (4) 1/2" Grade 5 bolts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

List of Included Subcomponents

Description	Model #
PoE Switch	WS-C4510R+E
PoE Switch	WS-C4506-E
Power Supply	PWR-C45-1300ACV
Power Supply	PWR-C45-4200ACV

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 4

Test Report# R11229904

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: 13855-703

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.28	$\frac{1}{0}$	1.5	3.65	2.74	1.52	0.61

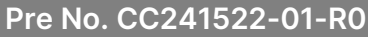
Rack Mounting Summary:

Chastworth 13855-703			
Position on Rack	Component	C.G. Height (in.)	Weight (lbs.)
44		77	
43	Added Weight	75.25	80
42		73.5	
41		71.75	
40		70	
39	Added Weight	68.25	80
38		66.5	
37		64.75	
36	Added Weight	63	80
35		61.25	
34		59.5	
33	Added Weight	57.75	40
32		56	
31		54.25	
30		52.5	
29		50.75	
28		49	
27		47.25	
26		45.5	
25		43.75	
24	Catalyst 4506-E Switch	42	40.5
23		40.25	
22		38.5	
21		36.75	
20		35	
19		33.25	
18		31.5	
17		29.75	
16		28	
15		26.25	
14		24.5	
13		22.75	
12	Catalyst 4510R+E Switch	21	54.5
11		19.25	
10		17.5	
9		15.75	
8		14	
7		12.25	
6		10.5	
5		8.75	
4		7	
3		5.25	
2		3.5	
1		1.75	

UUT 4 Mounting Summary:

Configured Rack Total Weight: **622 lbs.**

Max Rack CG: **43.3"**

UUT 5

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Low Profile Enclosure for Room Control Boards Version 2 (RCB 2)

S_{DS}	z/h	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.28	1	1.5	3.65	2.74	1.52	0.61
	0					

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
1.5	7.5	8.8	2.2

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

CBC 2022

ICC-ES AC156

Carbon steel frame

RCB2 WO ENCL-ENHCED,
UPOE CMPT

P2599NNC2A00

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COMPLIANCE

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

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UUT 6

Test Report# R11229904

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Room Box Enclosure

Highest Passed Test Level

S_{DS}	z/h	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.28	1	1.5	3.65	2.74	1.52	0.61
	0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
4.3	12	12	8.3

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Hill-Rom Enclosure P2549A03. Carbon steel enclosure.

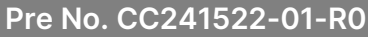
UUT Mounting Details:



List of Included Subcomponents

[illegible]

UUT was rigid wall mounted using (4) #8 screws. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.



UUT 7

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Floor 4-post Cabinet, Seismic Frame
 (CF) 43 RMU

S_{DS}	z/h	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.28	1	1.5	3.65	2.74	1.52	0.61
	0					

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
36	27	84	416

Front-Back	Side-Side	Vertical
17.9	9.8	>33.3

CBC 2022

ICC-ES AC156

Chatsworth 11972-712. Carbon steel frame with aluminum side panels.

PoE Switch	WS-C3850-24U
PoE Switch	WS-C3850-48U
15A Power Unit	PD-915-R-PL
PoE Switch	P2519NNC2A24

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.



Pre No. CC241522-01-R0

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 7

Test Report# R11229904

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Floor 4-post Cabinet, Seismic Frame
(CF) 43 RMU

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.28	1 0	1.5	3.65	2.74	1.52	0.61

Rack Mounting Summary:

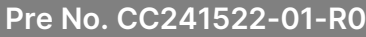
Chastworth 11972-712			
Position on Rack	Component	C.G. Height (in.)	Weight (lbs.)
42		73.5	
41		71.75	
40		70	
39		68.25	
38		66.5	
37		64.75	
36		63	
35		61.25	
34		59.5	
33		57.75	
32		56	
31		54.25	
30		52.5	
29		50.75	
28		49	
27		47.25	
26		45.5	
25		43.75	
24		42	
23		40.25	
22		38.5	
21		36.75	
20		35	
19		33.25	
18		31.5	
17		29.75	
16		28	
15		26.25	
14		24.5	
13	WS-C3850-24U	22.75	23.6
12	P2519NNC2A24	21	19.6
11	PD-915R	19.25	2
10		17.5	
9		15.75	
8		14	
7		12.25	
6	WS-C3850-48U	10.5	23.6
5	PD-915R	8.75	2
4		7	
3		5.25	
2		3.5	
1		1.75	

UUT 7 Mounting Summary:

Configured Rack Total Weight: **416 lbs.**

Max Rack CG: **33.7"**





UUT 8

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Low Profile Enclosure for Room Control Boards Version 3 (RCB 3)

S_{DS}	z/h	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.28	1	1.5	3.65	2.74	1.52	0.61
	0					

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
1.6	8	8	2.1

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

CBC 2022

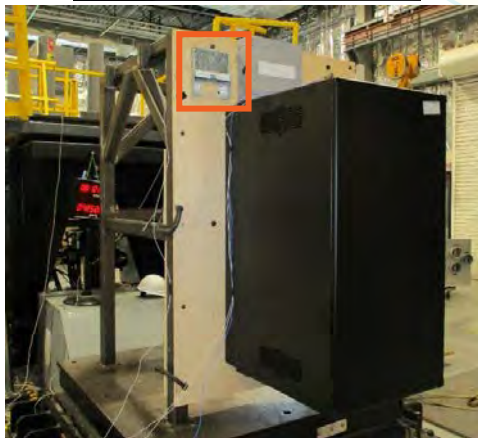
ICC-ES AC156

Carbon steel frame

Model

RCB3 w/o enclosure

P2599NNC3



www.go-pre.com

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 9

Test Report# R12184737

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Floor 4 Post Cabinet, Seismic Frame (CF) 43 RMU

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.28	1 0	1.5	3.65	2.74	1.52	0.61

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
36	27	84	367

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
13.7	10.2	>33.3

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Chatsworth 4 Post Floor Cabinet-carbon steel frame with aluminum side panels

UUT Mounting Details:



List of Included Subcomponents

Description

Model

PoE Switch (x2)

P2519NNC3YXX

Power Supply (x2)

P2519NNC3A00

UUT was rigid wall mounted using (4) 1/2" Grade 5 bolts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.



Pre No. CC241522-01-R0

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 9

Test Report# R12184737

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Floor 4 Post Cabinet, Seismic Frame
(CF) 43 RMU

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.28	1 0	1.5	3.65	2.74	1.52	0.61

Rack Mounting Summary:

Chastworth 11972-712			
Position on Rack	Component	C.G. Height (in.)	Weight (lbs.)
42		73.5	
41		71.75	
40		70	
39		68.25	
38		66.5	
37		64.75	
36		63	
35		61.25	
34		59.5	
33		57.75	
32		56	
31		54.25	
30		52.5	
29		50.75	
28		49	
27		47.25	
26		45.5	
25		43.75	
24		42	
23		40.25	
22		38.5	
21		36.75	
20		35	
19		33.25	
18		31.5	
17		29.75	
16	P2519NNC3A24	28	12.35
15	P2519NNC3A24	26.25	12.35
14		24.5	
13		22.75	
12		21	
11		19.25	
10		17.5	
9		15.75	
8		14	
7		12.25	
6		10.5	
5		8.75	
4		7	
3		5.25	
2		3.5	
1		1.75	

UUT 9 Mounting Summary:

Configured Rack Total Weight: **367 lbs.**

Max Rack CG: **36.3"**



SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 10

Test Report# R12184737

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Rack - 26RU

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.28	1 0	1.5	3.65	2.74	1.52	0.61

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
24	30	48	157

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

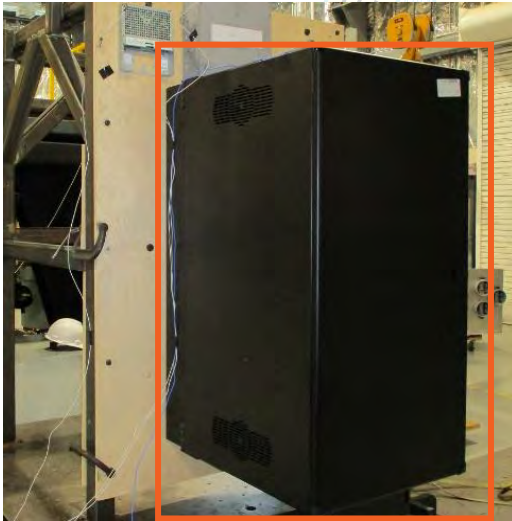
Test Criteria

ICC-ES AC156

Construction/Option Summary

Chatsworth Cube-iT 11996-748. NEMA Type 1; 14 ga.
Carbon steel cabinet with aluminum rails

UUT Mounting Details:



List of Included Subcomponents

Description

Model

PoE Switch (x2)

P2519NNC3YXX

Power Supply (x2)

P2519NNC3A00

UUT was rigid wall mounted using (4) 1/4" lag bolts. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.



Pre No. CC241522-01-R0

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 10

Test Report# R12184737

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Rack - 26RU

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.28	1 0	1.5	3.65	2.74	1.52	0.61

Rack Mounting Summary:

Chastworth Cube-iT 11996-748			
Position on Rack	Component	C.G. Height (in.)	Weight (lbs.)
26		45.5	
25		43.75	
24		42	
23		40.25	
22		38.5	
21		36.75	
20		35	
19		33.25	
18		31.5	
17		29.75	
16		28	
15		26.25	
14		24.5	
13	P2519NNC3A24	22.75	12.35
12	P2519NNC3A24	21	12.35
11		19.25	
10		17.5	
9		15.75	
8		14	
7		12.25	
6		10.5	
5		8.75	
4		7	
3		5.25	
2		3.5	
1		1.75	

UUT 11 Mounting Summary:

Configured Rack Total Weight: **157 lbs.**
Max Rack CG: **22.6"**

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 11

Test Report# R12982635

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Floor 4 Post Cabinet, Seismic Frame (CF) 43 RMU

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.28	1 0	1.5	3.65	2.74	1.52	0.61

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
36	27	84	735

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
7.4	7.2	>33.3

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Chatsworth 11972-712. Carbon steel frame with aluminum side panels.

UUT Mounting Details:



List of Included Subcomponents

Description	Model #
PoE Switch	PSGS-2626GT P2519NNC3
PoE Switch	ERS 4950GTS-PWR+
PoE Switch	ERS 5928GTS-uPWR
VOIP Server	DL360 Gen10 Performance

UUT was rigid wall mounted using (4) 1/2" Grade 5 bolts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.



Pre No. CC241522-01-R0

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 11

Test Report# R12982635

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Floor 4 Post Cabinet, Seismic Frame (CF) 43 RMU

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.28	1 0	1.5	3.65	2.74	1.52	0.61

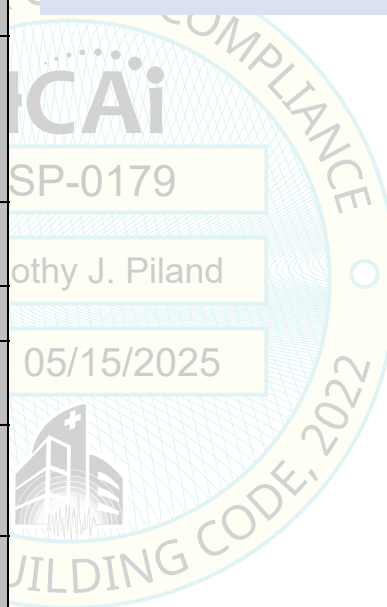
Rack Mounting Summary:

Chastworth 11972-712			
Position on Rack	Component	C.G. Height (in.)	Weight (lbs.)
42		73.5	
41		71.75	
40		70	
39		68.25	
38		66.5	
37		64.75	
36	Added Weight	63	80
35		61.25	
34		59.5	
33		57.75	
32		56	
31	Added Weight	54.25	80
30		52.5	
29		50.75	
28		49	
27		47.25	
26		45.5	
25		43.75	
24	Added Weight	42	80
23		40.25	
22		38.5	
21		36.75	
20		35	
19		33.25	
18	PD-915R	31.5	2
17	ERS 4950GTS-PWR+	29.75	17.6
16	P2519NNC3A24	28	12.4
15	ERS 5928GTS-UPWR	26.25	17.4
14	HPE DL360 Gen 10	24.5	43.6
13	PD-915R	22.75	2
12		21	
11		19.25	
10		17.5	
9		15.75	
8		14	
7		12.25	
6		10.5	
5		8.75	
4	Added Weight	7	80
3		5.25	
2		3.5	
1		1.75	

UUT 11 Mounting Summary:

Configured Rack Total Weight: **735 lbs.**

Max Rack CG: **36.9"**





COMPLIANCE

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

Pre No. CC241522-01-R0

UUT 12

Test Report# R12982635

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Rack - 12RU

Highest Passed Test Level

S_{DS}	z/h	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.28	1	1.5	3.65	2.74	1.52	0.61
	0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
30	24	24	160

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
N/A	N/A	N/A

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Chatsworth 11996-724. Carbon steel construction

UUT Mounting Details:



List of Included Subcomponents

[illegible]

UUT was rigid wall mounted using (8) M50x40 lag bolts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.



Pre No. CC241522-01-R0

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 12

Test Report# R12982635

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Rack - 12RU

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.28	1 0	1.5	3.65	2.74	1.52	0.61

Rack Mounting Summary:

Chastworth 11996-724			
Position on Rack	Component	C.G. Height (in.)	Weight (lbs.)
12		21	
11		19.25	
10		17.5	
9		15.75	
8		14	
7	PD-915-R-PL	12.25	2
6	ERS 4950GTS-PWR+	10.5	17.6
5	P2519NNC3A24	8.75	12.4
4	ERS 5928GTS-UPWR	7	17.4
3	PD-915-R-PL	5.25	2
2		3.5	
1		1.75	

UUT 12 Mounting Summary:

Configured Rack Total Weight: **160 lbs.**
Max Rack CG: **9.9"**

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 13

Test Report# 18012TR1

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Catalyst 9000 Custom

Highest Passed Test Level

S _{DS}	z/h	I _p	A _{flx-h}	A _{rig-h}	A _{flx-v}	A _{rig-v}
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					

Dimensions/Weights

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
36	24	84	791

Lowest Natural Frequency (Hz)

Front-Back	Side-Side	Vertical
12.7	4.9	24.2

Building Codes

CBC 2022

Test Criteria

ICC-ES AC156

Construction/Option Summary

Telect Four Post Rack (DR1250-84436)

UUT Mounting Details:



List of Included Subcomponents

Description	Model #
PoE Switch	C9300-24T
PoE Switch	C9300-48U
Additional components included in the weight of this UUT are not considered for this certification.	

UUT was rigid wall mounted using (4) 1/2" Grade 5 bolts.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 13

Test Report# 18012TR1

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Catalyst 9000 Custom

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.0	1					
2.5	0	1.5	3.20	2.40	1.68	0.68

Rack Mounting Summary:

Telco DR1250-84436			
Position on Rack	Component	C.G. Height (in.)	Weight (lbs.)
45		78.75	
44	Catalyst 9300-24T	77	19
43	Catalyst 9300-48U	75.25	22
42	Catalyst 9300-40X	73.5	29
41	Catalyst 9300-40X	71.75	29
40	Catalyst 9300-24Q	70	30
39		68.25	
38		66.5	
37		64.75	
36		63	
35		61.25	
34		59.5	
33		57.75	
32		56	
31		54.25	
30		52.5	
29		50.75	
28		49	
27		47.25	
26		45.5	
25		43.75	
24		42	
23		40.25	
22		38.5	
21	Catalyst C9407	36.75	148
20		35	
19		33.25	
18		31.5	
17		29.75	
16		28	
15		26.25	
14		24.5	
13		22.75	
12		21	
11		19.25	
10	Catalyst C9410	17.5	180
9		15.75	
8		14	
7		12.25	
6		10.5	
5		8.75	
4		7	
3		5.25	
2		3.5	
1		1.75	

UUT 13 Mounting Summary:

Configured Rack Total Weight: **791 lbs.**

Max Rack CG: **41.6"**




UUT 14

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Floor 4 Post Cabinet, Seismic Frame
 (CF) 43 RMU

S_{DS}	z/h	I_p	$A_{\text{flx-h}}$	$A_{\text{rig-h}}$	$A_{\text{flx-v}}$	$A_{\text{rig-v}}$
2.0	1	1.5	3.20	2.40	1.34	0.54
	0					

Depth (in)	Width (in)	Height (in)	Weight (lbs.)
36	27	84	730

Front-Back	Side-Side	Vertical
5.74	4.79	>33.3

CBC 2022

ICC-ES AC156

Chatsworth 11972-712. Carbon steel frame with aluminum side panels.

VOIP Server Power Supply

DL360 Gen11 Performance
HSTNS-PL41-1

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

SPECIAL SEISMIC CERTIFICATION UUT SUMMARY

UUT 14

Test Report# R15504738-2

Manufacturer: Hill-Rom, Inc.
Model Line: Navicare Nurse Call Equipment
Model Number: Floor 4 Post Cabinet, Seismic Frame (CF) 43 RMU

Highest Passed Test Level

S_{DS}	z/h	I_p	A_{flx-h}	A_{rig-h}	A_{flx-v}	A_{rig-v}
2.0	1 0	1.5	3.20	2.40	1.34	0.54

Rack Mounting Summary:

Chatsworth 11972-712			
Position on Rack	Component	C.G. Height (in.)	Weight (lbs.)
42		73.5	
41	Added Weight	71.75	25
40		70	
39		68.25	
38		66.5	
37		64.75	
36	Added Weight	63	80
35		61.25	
34		59.5	
33		57.75	
32		56	
31	Added Weight	54.25	80
30		52.5	
29		50.75	
28		49	
27		47.25	
26		45.5	
25		43.75	
24	Added Weight	42	80
23		40.25	
22		38.5	
21		36.75	
20		35	
19		33.25	
18		31.5	
17		29.75	
16	Added Weight	28	80
15		26.25	
14		24.5	
13		22.75	
12		21	
11		19.25	
10		17.5	
9	HPE DL360 Gen 11	15.75	38
8	PD-915R	14	7
7		12.25	
6		10.5	
5		8.75	
4		7	
3		5.25	
2		3.5	
1		1.75	

UUT 14 Mounting Summary:

Configured Rack Total Weight: **730 lbs.**

Max Rack CG: **41.6"**


Product Information Sheet

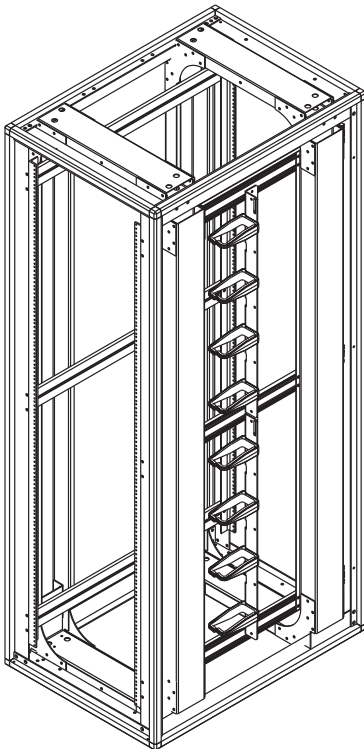
SEISMIC FRAME™ CABINET SYSTEM

Rated Zone 4 compliant to Bellcore GR-63-CORE for Network Equipment Building Systems (NEBS), Section 4.4.1.1, the Seismic Frame Cabinet System is able to withstand the seismic stress of an 8.3 Richter scale earthquake.

Offered in a 19"W x 36"D x 84"H cabinet solution, the aluminum outer frame provides the sound structural environment necessary for sensitive Information Technology (IT) hardware components.

With Multi-Mount™ square-punched rails, the cabinet fulfills various rack-mounting requirements. A reinforced inner frame provides increased structural rigidity.

- Standard 19" EIA Rack Width
- Reinforced inner frame provides structural rigidity
- Certified to an 800 lb distributed equipment load
- Aluminum outer frame with steel inner frame delivers maximum strength with minimum weight
- Seismic bracing kits and a full line of structural enhancement products are available to support site specific structural requirements
- Internal cable management provides flexibility for wire routing and fits on-site customization
- Adjustable front to rear vertical mounting rails allow use as a standard 4-post cabinet or 2-channel rack
- Static load rating: 1600 lb overall, 800 lb in seismic environments



19" W x 36"D x 84"H Seismic Cabinet		
Part Number	Cabinet Door Style	
	Front	Rear
11972-X02	UUTs 2a, 7, 9, 11, & 14	
11972-X12	Plexiglass	Metal
11972-X22	Metal	Metal
11972-X32	Vented Plexiglass	Perforated Metal
11972-X42	Perforated Metal	Perforated Metal

19" W x 36"D x 84"H without side panels		
Part Number	Cabinet Door Style	
	Front	Rear
11973-X02	No Front	No Rear
11973-X12	Plexiglass	Metal
11973-X22	Metal	Metal
11973-X32	Vented Plexiglass	Perforated Metal
11973-X42	Perforated Metal	Perforated Metal

19" W x 36"D x 84"H Frame Only**		
Part Number	Cabinet Door Style	
	Frame Only	
11974-X02		

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05/15/2025

OSP-0179

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ORDERING INFORMATION:

CUBE-iT Wall-Mount Cabinets

- Attaches to the wall with included installation hardware
- Available in 12U, 19U and 26U heights, with solid metal or tempered glass door options
- All cabinet styles are 24"W (610 mm)
- Includes CH751 keyed lock

Part Number	Cabinet Depth	Door Style	Shipping Weight lb (kg)
24"H (610 mm) CUBE-iT Cabinet			
11890-X24	18" (460 mm)	Solid	90 (40.9)
11901-X24	18" (460 mm)	Tempered Glass	90 (40.9)
11840-X24	24" (610 mm)	Solid	101 (45.9)
11900-X24	24" (610 mm)	Tempered Glass	101 (45.9)
11996-X24	30" (760 mm)	Solid	112 (50.9)
12419-X24	30" (760 mm)	Tempered Glass	112 (50.9)
36"H (910 mm) CUBE-iT Cabinet			
11890-X36	18" (460 mm)	Solid	114 (51.8)
11901-X36	18" (460 mm)	Tempered Glass	114 (51.8)
11840-X36	24" (610 mm)	Solid	128 (58.2)
11900-X36	24" (610 mm)	Tempered Glass	128 (58.2)
11996-X36	30" (760 mm)	Solid	142 (64.5)
12419-X36	30" (760 mm)	Tempered Glass	142 (64.5)
48"H (1220 mm) CUBE-iT Cabinet			
11890-X48	18" (460 mm)	Solid	139 (63.2)
11901-X48	18" (460 mm)	Tempered Glass	139 (63.2)
11840-X48	24" (610 mm)	Solid	155 (70.5)
11900-X48	24" (610 mm)	Tempered Glass	155 (70.5)
11996-X48	30" (760 mm)	Solid	171 (77.7)
12419-X48	30" (760 mm)	Tempered Glass	171 (77.7)

Note: X=Color; 7=Black and E=Glacier White



P/N 11900-724 shown

ACCESSORIES:



Standard Fan and Filter Kit for CUBE-iT Wall-Mount Cabinet

- Pressurizes interior of the cabinet, forcing warm air out of open vents
- Assembly Includes 1 fan, 1 filter, and 1 vent cover
- Noise Level: 39 dB (measured at 3' (1 m) distance)
- Airflow: 115 CFM (170 CMH)
- 6'L (1.8 m) NEMA 5-15P/6-15P Power Cord

Part Number	Description	Shipping Weight lb (kg)
40972-001	115 Volt, 50/60 Hz, 5-15P power cord	2 (0.8)
40972-002	230 Volt, 50/60 Hz, 6-15P Power cord	2 (0.8)
40973-001	Replacement Filter Kit, Pack of 5	2 (0.8)



Low-Decibel Dual-Fan and Filter Kit for CUBE-iT Wall-Mount Cabinet

- Pressurizes interior of the cabinet, forcing warm air out of open vents
- Assembly Includes 2 fans and 2 filters
- Noise Level: 31 dB (measured at 3' (1 m) distance)
- Recommended placement on bottom right and left sides of the cabinet
- Airflow: 120 CFM (204 CMH)
- 6'L (1.8 m) NEMA 5-15P/6-15P Power Cord

Part Number	Description	Shipping Weight lb (kg)
40975-001	115 Volt, 50/60 Hz, 5-15P power cord	4 (1.8)
40975-002	230 Volt, 50/60 Hz, 6-15P Power cord	4 (1.8)
40973-001	Replacement Filter Kit, Pack of 5	2 (0.8)



Vertical Cabling Section for CUBE-iT Wall-Mount Cabinet

- Attaches to the outside edge of equipment mounting rails
- 4U height; openings align with rack-mount unit spaces on equipment mounting rails
- Sold in pairs
- Order additional kits as-needed per cable management requirements

Part Number	Description	Shipping Weight lb (kg)
40970-704	4U, 7"H x 0.5"D (178 mm x 13 mm)	3 (1.4)
40970-707	7U, 12.3"H x 0.5"D (311 mm x 13 mm)	3 (1.4)
40970-711	11U, 19.3"H x 0.5"D (489 mm x 13 mm)	4 (1.8)

Color is black.

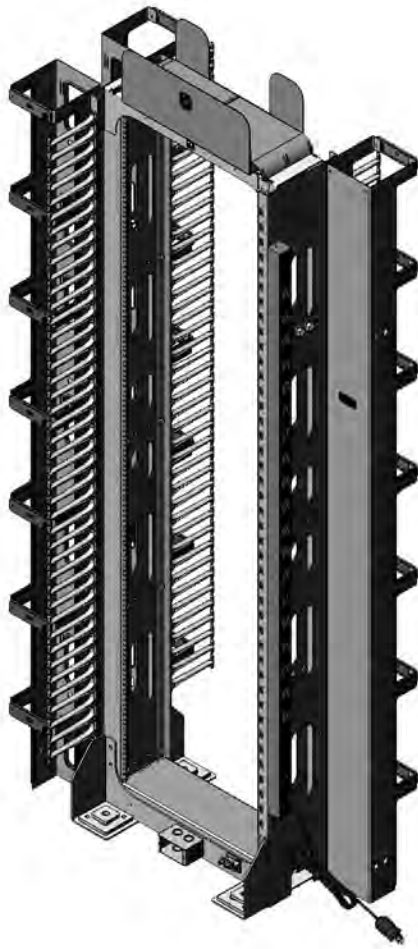


Vertical Lashing Bracket for CUBE-iT Wall-Mount Cabinet

- Provides multiple lashing points for premise cables
- Attaches to center chassis with included hardware
- Adjustable front-to-rear

Part Number	Description	Shipping Weight lb (kg)
40971-X24	24"H x 4"W (610 mm x 100 mm)	4 (1.8)
40971-X36	36"H x 4"W (910 mm x 100 mm)	6 (2.7)
40971-X48	48"H x 4"W (1220 mm x 100 mm)	8 (3.6)

Note: X=Color; 7=Black and E=Glacier White



ORDERING INFORMATION

SeismicFrame® Two-Post Rack		
Part Number	Description H x W ft (m)	Shipping Weight lb (kg)
13853-X03	7 (2.1) x 19", 44U, Tapped #12-24 Zinc Rails	180 (81.6)
13854-X03	7 (2.1) x 19", 44U, UUT-4 Unchained Zinc Rails	178 (80.7)
13855-X03	7 (2.1) x 19", 44U, Tapped #12-24 Painted Rails	180 (81.6)
13856-X03	7 (2.1) x 19", 44U, Square-Punched Painted Rails	178 (80.7)
13883-X03	7 (2.1) x 23", 44U, Tapped #12-24 Zinc Rails	185 (83.9)
13884-X03	7 (2.1) x 23", 44U, Square-Punched Zinc Rails	183 (83.0)
13885-X03	7 (2.1) x 23", 44U, Tapped #12-24 Painted Rails	185 (83.9)
13886-X03	7 (2.1) x 23", 44U, Square-Punched Painted Rails	183 (83.0)

Notes: X=Color; 1=Gray, 2=Computer Beige, 7=Black.

Install using (4) seismic-rated concrete anchors (sold separately).

Cable Management:

- The top of the rack is punched with attachment points for the CPI Top-Mount Cable Waterfall Tray and Cable Runway
 - Attach 9" W (230 mm), 12" W (300 mm), 15" W (380 mm) and 18" W (460 mm) Cable Runway to racks in perpendicular (front-to-back) orientation with the Cable Runway J-Bolt Kit; 23" W racks will also support 20" W (510 mm) Cable Runway
 - Attach 12" W (300 mm) to 24" W (610 mm) Cable Runway in parallel (side-to-side) orientation with the 3" W (80 mm) Channel Rack-To-Runway Mounting Plate.
 - The front of the rack is punched with attachment points for the CPI Cable Management Fingers Kits
 - The sides of the rack are punched with three pairs of centered, 1/2-20 threaded attachment points for CPI SeismicFrame Two-Post Rack Vertical Cabling Section
 - Attach a CPI Single-Sided Wide Vertical Cabling Section to the side of the rack with the CPI Vertical Cabling Section Offset Mounting Bracket Kit
 - Evolution® Cable Management and MCS-EFX Master Cabling Section with Extended Fingers will also attach to the side of the rack
- Shelves:
- Use CPI Heavy Duty Equipment Shelf for 6" (150 mm) Channel with the rack's mounting rails set 6" (150 mm) apart
 - When rails are set 3" W (80 mm) apart, the maximum shelf width on 19" W racks is 19.3" W (490 mm) and the maximum shelf width on 23" W racks is 23.3" W (592 mm)

ACCESSORIES



SeismicFrame Two-Post Rack Vertical Cabling Section

Provide a double-sided, front and rear cable pathway next to SeismicFrame Two-Post Rack.

- Separate front and rear 6"W x 6.38"D (150 mm x 162 mm) cable managers attach with included offset brackets to align with the front and rear of the rack
- Large cable pass-through ports on the back of each manager align with ports in the side of the frame; spin-open plastic latches secure cables inside the managers
- Includes one Single-Sided Cable Management Fingers Kit to organize cables by U
- Made of aluminum
- Includes installation hardware

Cable Management Fingers Kit

Organize patch cords and jumper cables by U.

- 7U T-shaped plastic cable guides snap onto the front and rear of the rack frame
- Openings between the T-shaped guides align with each U on the rack
- Single-Sided Kit includes 12 cable guides for one side (front or rear) of the rack
- Double-Sided Kit includes 24 cable guides for both sides (front and rear) of the rack

SeismicFrame® Two-Post Rack Accessories		
Part Number	Description	Shipping Weight lb (kg)
13704-X03	VCS Vertical Cabling Section	35 (15.9)
13696-001	Cable Management Fingers Kit, Single-Sided, Black	7 (3.2)
13696-002	Cable Management Fingers Kit, Double-Sided, Black	14 (6.4)
13699-701	VCS Offset Mounting Bracket Kit, Black	2 (0.9)

Notes: X=Color; 1=Gray, 2=Computer Beige, 7=Black.

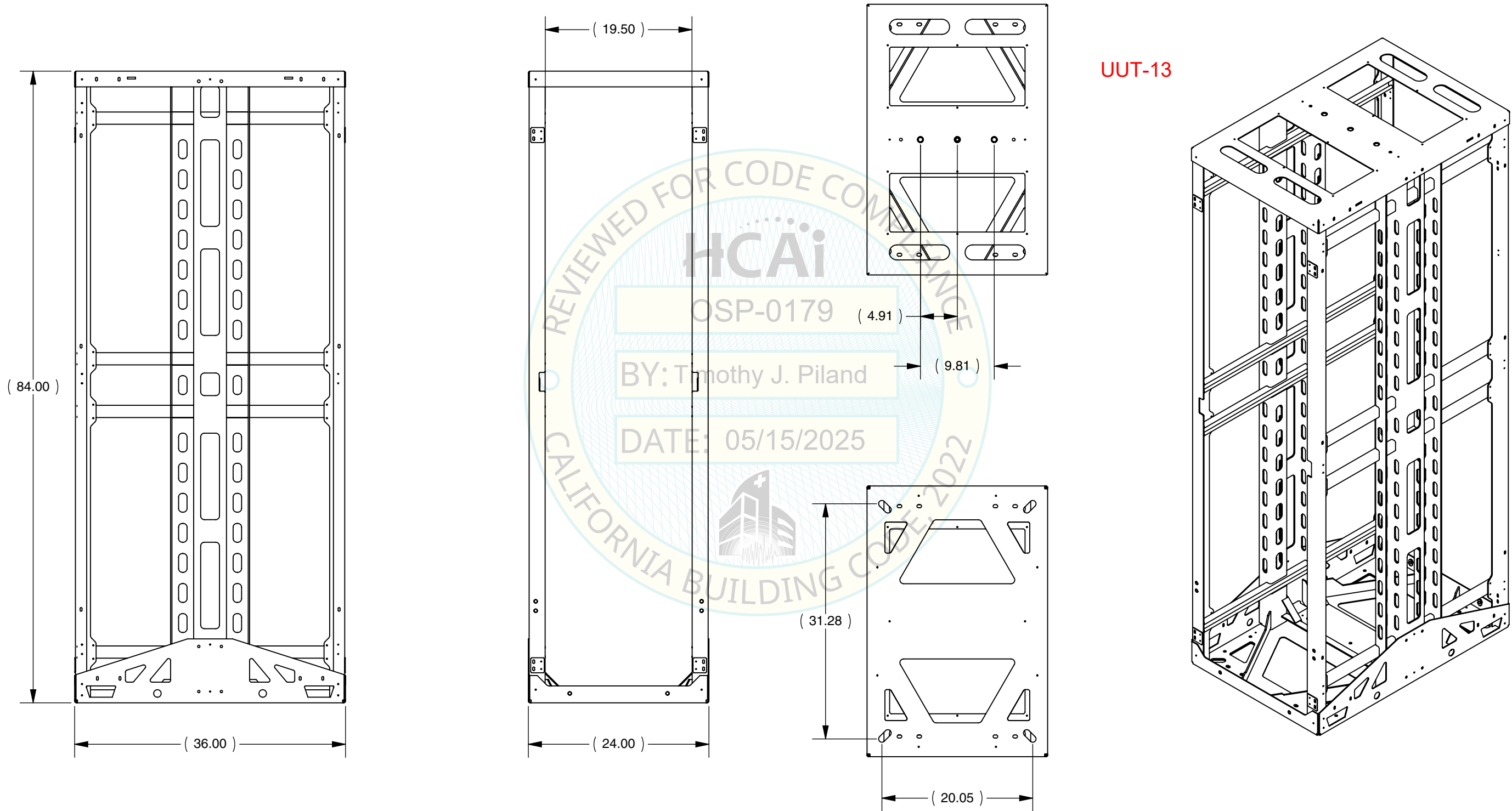


Vertical Cabling Section (VCS) Offset Mounting Bracket Kit

Attach a CPI Single-Sided Wide Vertical Cabling Section to the side of the SeismicFrame Two-Post Rack so that it aligns with the front of the rack.

- Kit includes four Offset Mounting Brackets
- Use two brackets per side to attach the Vertical Cabling Section
- Brackets are slotted allowing front-to-rear adjustment
- Made of steel

- NOTES: (UNLESS OTHERWISE SPECIFIED)
- 1. DIMENSIONS ARE FOR REFERENCE ONLY.
 - 2. DIMENSIONS ARE IN INCHES.
 - 3. MOUNTING RAILS NOT SHOWN.



A0	---	INITIAL RELEASE	4/25/2012	GTH
REV	ECO	DESCRIPTION	DATE	BY
drawing no DR1250-84436		customer drawing RACK: SEISMIC, DATA CENTER, 1250 LB, 24X36	rev A0	units inch
		designed by S. SITTON	date 2/17/2012	tolerances (unless otherwise specified) .X ±.060 .XX ±.020 .XXX ±.010
		drawn by G. HILBERT	date 4/25/2012	hole size: ±.005 angularity: ±1°
		sheet 1 of 1	sheet size B	scale NTS
		project R118	projection 	

